

VAIBHAV BEHL
Graduate Student ◊ Computer Science
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HIGHLIGHTS

Looking for opportunities in the field of Data Science and Data Engineering.
Over Four years of full-time work experience as a Software Developer.
Special interest in the field of Big Data and Machine Learning. Love competing on Kaggle!

EDUCATION

M.S. Computer Science - GPA 3.5/4.0 Aug 2015 - May 2017
University of Southern California, Los Angeles
Coursework: 567-Machine Learning, 544-Applied Natural Language Processing, 675-Convex and Combinatorial Optimization, 570-Algorithms, 561-Artificial Intelligence

WORK EXPERIENCE

Target Jun 2016 - Aug 2016
Data Scientist Intern
· Built a real-time recommendation engine for Target's Cartwheel App. Used Clickstream data to infer the current context of user purchase.
· Used Spark-Streaming to apply the data model to Clickstream data in a distributed environment.

USC Computer Science Dept. Jan 2016 - Apr 2016
Student Researcher, Machine Learning and Data Mining Lab - Prof. Yan Liu
· Built models to categorize force generated while using a Manually-Propelled Wheelchair.

PTC & Servigistics India July 2011 - Aug 2015
Software Engineer, Senior Software Specialist
· Worked as a full-stack developer on a Software Product which optimized the pricing of service parts for clients like BMW, GM, Daimler and Nissan.
· Used query optimization and multi-threaded workflows to deal with large databases.
· Followed the best design practices and SCRUM guidelines.

RECENT PROJECTS

Target Data Challenge @ USC Spring-2016
Recommendation engine using purchase data and product description. Finished 2nd and Won \$2k.

Kaggle - Walmart Trip Type Classification - Rank:#157/1047 Fall-2015
Classify customer trips from a dataset of items they have purchased at Walmart.

Kaggle - How much did it rain-II - Rank:#36/587 Fall-2015
Predict rain-gauge reading from polarimetric radar data.

Yelp dataset - Predict Rating of User Reviews Fall-2015
Extracted various features from Text to predict rating of user reviews.

Matlab Implementation of Machine Learning Algorithms Fall-2015
Implemented Linear Regression, KNN, NaiveBayes, Logistic Regression, K-means, SVM in Matlab.

Socialytics - mining social interactions Spring 2014
App scans social interactions from Facebook Graph API to predict top social connections.(goo.gl/0U1UPd)
*(code for all projects @ <https://github.com/VaibhavBehl>)

TECHNICAL SKILLS

Programming	Java, Python, Scala, R, JavaScript, SQL, MATLAB, Android, HTML, CSS
Machine Learning	Scikit-learn(sklearn), Spark-MLlib, Numpy, Scipy, keras(theano) neural network and deep learning library, H ₂ O lib, XGBoost
Big Data	Spark, Kafka, Hadoop, HDFS, Hive
Databases	SQL Server, Oracle, MySQL, SQLite, PostgreSQL
Framework & Tools	Tomcat, jQuery, Spring(MVC), Hibernate, Maven, Git, Heroku, Microsoft Azure